

**Instruction:**

1. The figures on right-hand side indicate marks.
2. Use of calculators is **NOT allowed**.

Q1. i. Illustrate few key pain points of agriculture value chain in India and discuss how AgriTech companies are addressing these pain points through new business models. [14 marks]

Or

Q1.A. Describe the features of Indian agribusiness ecosystem. [7marks]

Q1. B. Explain the role of agriculture in Indian Economy. [7marks]

Q2. i. Discuss the Food Ecosystem of India and Explain how Govt. initiatives are supporting Food tech startups. [14 marks]

Or

Q2.A. Illustrate the role of Government initiatives and incubators in supporting the agritech start-up ecosystem. [7 Marks]

Q.2.B. Explain the potential areas for Hi-tech agriculture. [7marks]

Q:3. i. Describe the role of incubators and accelerators in the promotion of AgTech Startups with suitable examples. [14 marks]

Or

**P.T.O.**

M 210 12

Q3.A. Explain the concept of Agri Fintech and explain the significance and opportunities in Agri Fintech sector [7 marks]

Q3.B. Explain how Agri Tech model addresses uneven quality and lack of testing in terms of Quality management and traceability. [7 marks]

Q4. What is Ethanol blending programme? Explain Significance and limitation of Ethanol blending in fuels. What are the steps taken by the government to boost ethanol blending? [14 marks]

Or

Q4.A. Explain the significance of developing Green Hydrogen and also describe applications of Green Hydrogen in different sectors. [7 Marks]

Q4.B. What is the significance of Biogas adoption? Discuss issues related to Biomass in pollution and waste generation. [7 Marks]

**Q.5 Explain the following terms. (attempt any 7 out of 10)** [14 Marks]

1. Agritech
  2. Incubators
  3. Startup
  4. Hi-tech agriculture
  5. High-Value Crops (HVC)
  6. Precision Farming
  7. Internet of Things (IoT)
  8. Traceability
  9. Public Private Partnerships
  10. Regenerative Agriculture
-